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/ 1. = 1	

1- TECHNICAL FEATURES

The XR750 WASH is a brand new moving head fitted with a 700W discharge lamp, which delivers a massive 17.000 Lux at 5 m. The XR750 WASH is fitted with a Philips MSR Gold 700/2 Fastfit lamp (50.000 Lumens) combined with a dichroic parabolic reflector. The XR750 WASH incorporates motorized zoom: 20°- 45°, rotating indexable beam shaper (0°-180°), 2 frost filters, 2 colour conversion filters (3.200°K and 5.600°K), CMY colour generation + a colour wheel (6 dichroic filters + open, with linear selection for perfect 2-colour beams), and electromagnetic or electronic ballast. The XR750 WASH also includes a new Pan / Tilt locking system with recessed buttons. The XR750 WASH is particularly suitable for all professional applications, both mobile (concerts, shows, tours, special events) and fixed (clubs and other venues), requiring a light with extremely luminous output capable of illuminating objects and large backgrounds with an endless variety of colours.

XR750 WASH (Cod. 03.MW006.EB.L)• Electronic ballast 90-260V 50/60 Hz• Black colour All models are also available in white colour

Lamp

Lamp: Philips MSR Gold 700/2 Fastfit . Automatic switching on of lamp in case of accidental switching off Lamp on/off via DMX; reset via DMX.

Optical group

17.000 Lux at 5 m (20°). Fresnel lens Ø 200 mm. Borosilicate dichroic parabolic reflector

Zoom

Motorized zoom (20°-45°)

Dimmer / shutter / strobo

Linear dimmer, Shutter, Strobe from 0,85 flash/sec to 10 flash/sec

Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Colours

CMY color generation system with 3 palettes + colour wheel (6 colours + open) with linear selection for perfect 2-colour beams. Color change with blackout sync

Effects

Rotating and indexable beam shaper (0°-180°)

Pan / Tilt

Pan 540° (2,9 sec.). Tilt 270° (1,8 sec). 16-bit resolution

8-Speed function (8 selectable pan/tilt speeds); extremely smooth and precise movements even at the highest speeds. Pan / Tilt locking system with recessed buttons. Automatic Pan/Tilt repositioning in case of knocks

16 DMX channels

Internal operating system updatable via DMX

Connections

4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik

Power supply

Electronic ballast: 90 - 260 V (50/60 Hz); power consumption: 820 W Electromagnetic ballast: 230 V (50/60 Hz) power consumption: 820 W

Standard accessories

2 x "C" GQuick clamps with "fastlock" connection 1/4 turn

Thermal

Operating ambient temperature: -10° / 40°

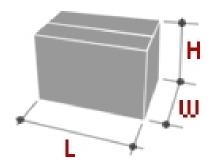
Weight

30 Kg (electronic ballast)

1- TECHNICAL FEATURES

ACCESSORIES

- MSR Gold 700/2 Fastfit lamp (cod. 0505S018)
- Double Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling, 8 handles (2 each side)
- Embedding flange for XR (visible display) (cod. 03.MA005)
- Embedding flange for XR (no visible display) (cod. 03.MA006)
- Wireless DMX receiver card (cod. 03.LA.012)
- "C" Clamp G60 black (max. load 50Kg) (cod. 0521A004)
- "C" Clamp G60 chrome (max. load. 50Kg) (cod. 0521A004.20)
- "C" Clamp GQUICK with "Fast Lock" connection 1/4 turn (max. load. 80Kg) (cod.0521A014)
- "C" Clamp G100 black / professional (max. load. 200Kg) (cod. 0521A015)
- Omega clamp with "Fast Lock" connection 1/4 turn
- Safety wire (3mm x 60 cm), ring spring catch, max. capacity load 60Kg (cod. 0521A010)



Packaging Dimensions (AxLxP)

580 x 490 x 800mm

Weight

50 Kg (with electronic ballast).



2- IMPORTANT SAFETY INFORMATION

2.1 Fire prevention:

XR750 WASH uses a Philips MSR Gold 700/2 Fastfit lamp.

The use of any other alternative lamp is not recommended and will null and void the fixture's warranty.

- -Never locate the fixture on any flammable surface.
- -Minimum distance from flammable materials: 1 MT.
- -Minimum distance from the closest illuminable surface: 2 MT.
- -Replace any blown or damaged fuses only with fuses of identical value. Refer to the wiring diagram if there is any doubt.
- -Connect the projector to mains power via a thermal magnetic circuit breaker.

2.2 Prevention of electric shock:

- -High voltage is present inside the unit. Unplug the unit prior to performing any function which involves touching the inside of the moving head, including lamp replacement.
- -The level of technology present in the XR750 requires the assistance of specialised personnel for all servicing. Please refer to an authorised DTS service centre.
- -A good earth connection is essential for proper functioning of the projector.
- -Never connect the unit without proper earth connection.
- -The fixture should be located in places with a good air ventilation.

2.3 Protection against ultraviolet radiation:

- -Never turn on the lamp if any of the lenses, filters or ABS covering is damaged. Their respective shielding functions will only operate efficiently if they are in perfect working order.
- -Never look directly the lamp when it is on.

2.4 Safety:

- -The projector should always be installed with bolts, clamps and other tools that are capable of supporting the weight of the unit.
- -Always use a second safety cable to sustain the weight of the unit in case of the failure of the main fixing point.
- -The external surface of the unit, at various points, may exceed 70°C. Never handle the unit until at least 10 minutes have elapsed since the lamp was turned off.
- -Always replace the lamp if any physical damage is evident.
- -Never install the fixture in an enclosed area lacking sufficient air flow. The ambient temperature should not exceed 40°C.
- -A hot lamp may explode, so always wait for at least 10 minutes prior to attempting to replace the lamp.
- -Always wear suitable hand protection when handling the lamp.

2.5 Level of protection against the penetration of solid and liquid matter:

-The projector is classified as an ordinary appliance and its protection level against the penetration of solid and liquid matter is IP 20.

3- MOUNTING THE LAMPS

Warning: Switch off the unit before replacing the lamp.

Philips MSR Gold 700/2 Fastfit Power 700W Luminous flux 50,000 lm Colour temperature 7.500°K Lampbase PGJX50 Rated life 750 hours

1) Using a screwdriver, loose the 3 screws A, B, C, (photo 1) and remove the metal cover .









Photo 1

Photo 2

Photo 3

Photo 4

- 2) Insert the lamp (photo2).
- 3)Rotate the lamp 1/4 turn clockwise (photo 3 and 4).

The lamp used on XR750 is made in quartz glass and should be handled with care. Always follow the instructions supplied in the lamp's packaging. Never touch the glass directly but use the tissue provided in the lamp's packaging. The PGJX50 lamp socket is not symmetrical.

DO NOT USE UNDUE FORCE ON THE GLASS. In case of difficulty, read again the instructions and repeat the procedure.

4) Replace the metal cover and tighten the screws A,B,C, which where previously removed.

3.1 Lamp alignment

Attention: we recommend to align the lamp in the optical system to avoid overheating of the dichroic filters and other components inside the unit.



Photo 5

Alignment is carried out using the 3 adjusters X, Y and Z. During this operation you must have a uniform luminosity all around the projected area.

4- VOLTAGE AND FREQUENCY

The XR750 with electronic ballast can operate at 90-260 VOLT 50 or 60 Hz.

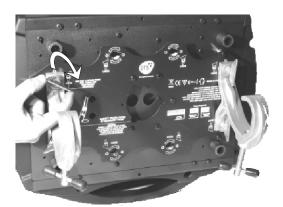
5- INSTALLATION

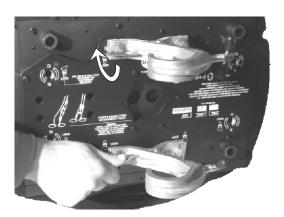
XR750 may be either floor or ceiling mounted.

For floor mounting installations, the XR750 is supplied with four rubber mounting feet on the base. For ceiling mounted installations, we reccomend the use of appropriate clamps to fix the unit to the mounting surface.

The supporting structure from which the unit is hung should be capable of bearing the weight of the unit, as should any clamps used to hung it. The structure should also be sufficiently rigid so as not to move or shake whilst the XR750 is moving.

Eight quarter turn fast locks placed on the base of the units, allows by using the two fast lock C clamps provided in the box, to fix the unit in any position.





5.1- Safety cable

We recommend the use of a safety cable or chain connected to the XR750 and to the suspension truss in order to avoid the fixture accidentally falling should the main fixing point fail. Make sure that the iron cable or chain can bear the weight of the entire unit.

You may attach the safety chain to the two holes (A) located on the base of the fixture, as shown in the picture below.



5.2- Protection against liquids

The projector contains electric and electronic components which should under no circumstances come into contact with oil, water or any other liquid. The proper unit functioning would be compromised should this occur.

5.3- Movement

The projector has a maximum movement of 540° for Pan and 270° for Tilt. DO NOT place any

obstructions in the path of the projector's movement.



5.4- Risk of fire

Each fixture produces heat and must be installed in a well-ventilated place. The minimum recommended distance from flammable material is 1 MT.

Minimum distance from the object being illuminated is 2 MT.

5.5- Forced ventilation

You will note, on inspection, that the unit features various air inlets and cooling fans located on both the base and head of the fixture. These should, under no circumstances, be blocked or obstructed whilst the projector is in operation.

Doing so could cause the fixture to seriously overheat thereby compromising its proper operation.

5.6- Ambient temperature

The projector should never be installed in places that lack a constant air flow. The ambient temperature should NOT exceed 40°C.

6- MAINS CONNECTION

XR750 with electronic ballast operate at 90-260 VOLT 50-60 Hz. Prior to connecting the unit to your mains supply, ensure that the model in your possession correctly matches the mains supply available. For connection purposes, ensure that your plug is capable of supporting 6,3 amps at 230V, Or 16 amps at 100-120 V

Strict adherence to regulatory norms is strongly recommended.



6.1- Protection

The use of a thermal magnetic circuit breaker is recommended for each XR750. A good earth connection is essential for the correct operation of the projector.

7- DMX SIGNAL CONNECTION

The unit operates using the digital DMX 512 (1990) signal. Connection between the mixer and the projector or between projectors must be carried out using a two pair screened Ø 0.5 mm cable and a CANNON XLR 5 or 3 pins connector.

Ensure that the conductors do not touch each other. Do not connect the cable ground to the XLR chassy The plug housing must be isolated. Connect the mixer signal to the DMX IN projector plug and connect it to the next projector by connecting the DMX OUT plug on the first projector to the DMX IN plug of the second one.

In this way, all the projectors are cascade connected.

NB. <u>If the display showing the DMX address flashes</u>, then one of the following errors has occurred:

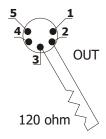
- DMX signal not present
- DMX address not valid



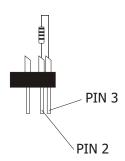
For Installations where long distance DMX cable connections are needed, we suggest to use a DMX terminator.

The DMX terminator is a male XLR 3-5 pins connector with a 120 ohm resistor Between pin 2 and 3.

The DMX terminator must be plugged into the last unit (DMX out panel connector) of the DMX line.



PLACE A 120 OHM RESISTOR BETWEEN PIN 2 AND 3 OF A MALE XRL CONNECTOR AND PLUG IT INTO THE DMX OUT PANEL CONNECTOR OF THE LAST UNIT CONNECTED TO THE DMX LINE



7.1-DMX Addresses

XR750 WASH have 16 DMX channels.

Set the following addresses on the mixer:

Projector 1 A001

Projector 2 A017 If you want to select the next projector, just add "16"

Projector 3 A033

..... A....

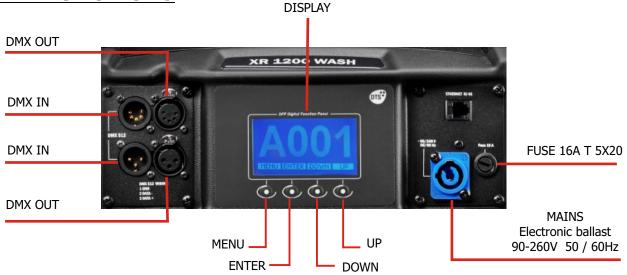
projector 6 A081

7.2-Selecting the DMX address

- 1) Press the UP-DOWN key until you reach the required DMX channel. The numbers on the display will start to flash (but the new DMX address hasn't yet been set).
- 2) Press ENTER to confirm your selection. The numbers on the display will stop flashing and the projector is now setted to the new DMX address.

TRICKS:

if you keep pushed the UP or DOWN keys, the channels are calculated more quickly and you get a faster selection.



DISPLAY FUNCTIONS

The XR750 display panel shows all the available functions . Using these functions, it is possible to change some of the parameters and add some functions. Changing the DTS setting can vary the functions of the unit so that it does not respond to the DMX 512 used to control it. Carefully follow the instructions below before carrying out any variations or selections.

NOTE: the symbol shows which key has to be pushed to obtain the desired function.



PAN DIRECTION
This menu allow to set the Pan movement.

Normal or Reversed





Pan movement Normal or Reversed Default = Normal





TILT DIRECTION
This menu allow to set the Pan
movement.
Normal or Reversed





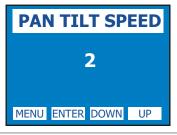
Tilt movement Normal or Reversed Default = Normal





PAN TILT SPEED Pan Tilt Speed control (1-8)





Pan Tilt Speed control Default = 2







DISPLAY FLIP / STAND BY / CONTRAST

Display Flip:

Reverses display's reading depending on the mounting position

(On the ground or suspended).

Display Standby:

To turn off the display (after 5 seconds)

Or leave it always on.

Display Contrast:

Display contrast regulation (1-16)

DISPLAY

FLIP

ON THE GROUND

MENU ENTER DOWN UP

Display Flip ON THE GROUND (Default) **SUSPENDED**



DISPLAY

STANDBY

OFF

MENU ENTER DOWN UP

Display Standby

OFF = Display Standby disabled (Default)

ON = Display goes OFF after 5 seconds



DISPLAY

CONTRAST

8

MENU ENTER DOWN UP

Display Contrast 1-16 (Default = 8)





To select DMX mode:

Mode 1 or Mode 2

DMX MODE

TEST MODE



Up-Down

DMX MODE

MODE 1

MENU ENTER DOWN UP

Mode1 = 16 DMX channels, Pan&Tilt 16 bit (Default)

Mode2 = Same fixture as XR7 WASH 16 DMX channels, Pan&Tilt 16 bit



Motors Test

Full test and single function test.



MOTORS TEST

ALL

MENU ENTER DOWN UP

Motors Test ALL, PAN, TILT, DIMMER, SHUTTER,

COLOUR WHEEL, CYAN, MAGENTA, YELLOW,

EFFECTS, ZOOM



Fan Speed



FAN SPEED

Fan speed control 1-5 (Default = 5)



FAN SPEED Fan Speed control







Lamp always ON, always OFF, lamp ON-OFF selectable via DMX And lamp life time reset

ADJUST

To adjust the lamp with no mixer connected.

It's possible to set the parameters for PAN-TILT and ZOOM

LAMP

BY DMX

MENU ENTER DOWN UP

LAMP

ADJUST

MENU ENTER DOWN UP

BY DMX = ON / OFF via DMX (default) ALWAYS ON = Forced ON ALWAYS OFF = Forced OFF

RESET COUNTER = Lamp life time reset

LAMP ADJUST = To adjust the lamp with no mixer connected.

It's possible to set the parameters for PAN-TILT and ZOOM







Reset via DMX ENABLED / DISABLED and unit reset

RESET

BY DMX **ENABLED**

MENU ENTER DOWN UP

ENABLED = Reset via DMX enabled (Default)

DISABLED = Reset via DMX disabled NOW = Unit motors reset





CMY filters blades inserted at 100% if the dimmer

remain closed for more than 5 seconds. By activating this function, it will be possible to reduce substantially any visible light reflection

Lamp life time, lamp strikes, unit life time, 8

motors card software version, Pan&Tilt card





CMY BLACKOUT

ON

MENU ENTER DOWN UP

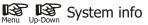
ON = Blackout enabled (Default) OFF = Blackout disabled



coming out from the front lens when dimmer is closed.

CMY BLACKOUT

SYSTEM INFO



software version and unit model







LAMP LIFE:0000H **UNIT LIFE: 0010H**

8M R.15

MODEL: XR750 WASH

MENU ENTER DOWN UP

SYSTEM INFO

Lamp life time, lamp strikes, unit life time, 8 motors card software version, Pan&Tilt card software version and unit model









Un-Down

RESERVED

STRIKE:001

ENTER CODE 000

MENU ENTER DOWN UP

PAN LOCK

NO

MENU ENTER DOWN UP

Pan Lock = Lock the Pan to the desired value

Tilt Lock = Lock the Tilt to the desired value

Pan Free = Remove power to Pan

Tilt Free = Remove power to Tilt

System Reboot = Unit Reboot without needing of turning OFF the unit











RESERVED

Pan lock-Tilt lock

Pan free-Tilt free System Reboot



DEFAULT
To restore main settings





Default
To restore main settings



9- ERROR MESSAGES



COLOUR WHEEL POSITION ERROR



BEAM SHAPE WHEEL POSITION ERROR



LEFT ZOOM SENSOR POSITION ERROR



RIGHT ZOOM SENSOR POSITION ERROR



PAN REPOSITIONING ENCODER ERROR



TILT REPOSITIONING ENCODER ERROR



COMMUNICATION PROBLEM BETWEEN 8 MOTORS CARD AND PAN&TILT CARD



DMX ADDRESS ERROR

10- HIDDEN MENU

For technical personnel only.

To operate this menu:

- -Connect the projector to the DMX controller (DMX SIGNAL MUST BE CORRECTLY RECEIVED)
 - Reset the XR750 (reset from the MENU, not from the DMX controller!).
 - While reset is running, press the MENU and ENTER keys at the same time.



ELECTRONIC
CALIBRATION OF THE
MOTORS

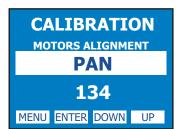


RESET EEPROM. RESET ALL SETTINGS TO 128 VALUE

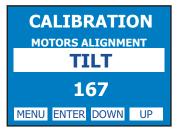


EXIT FROM HIDDEN MENU

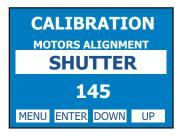
Calibration mode



PAN ALIGNMENT To align pan position



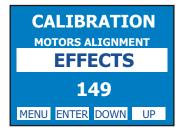
TILT ALIGNMENT
To align tilt position



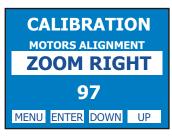
SHUTTER ALIGNMENT To align shutter blades



COLOUR WHEEL ALIGNMENT To align colour wheel



EFFECTS ALIGNMENT To Align Effects wheel



ZOOM RIGHT ALIGNMENT To align zoom right position



ZOOM LEFT ALIGNMENT To align zoom left position



CYAN ALIGNMENT To align cyan colour

```
CALIBRATION
MOTORS ALIGNMENT
MAGENTA

121
MENU ENTER DOWN UP
```

MAGENTA ALIGNMENT To align magenta colour



YELLOW ALIGNMENT To align yellow colour

11- OPENING THE PROJECTOR HOUSING

It is possible to inspect the inside of the projector by removing the cover as indicated below.

ATTENTION

REMOVE MAINS POWER PRIOR TO ACCESSING THE PROJECTOR'S INTERNAL COMPONENTS.

- 1) Loosen the 3 (1/4 turn) screws which fix the head covers (photo 1).
- 2) Once unscrewed, simply lift the covers to access the internal components (photo 2).







Photo 2

12- PERIODIC CLEANING

12.1- Lenses and reflectors

Even a fine layer of dust can substantially reduce the luminous output. Regularly clean all lenses and the reflector using a soft cotton cloth, dampened with a specialist lens cleaning solution.

12.2- Fans and air passages

The fans and air passages must be cleaned approximately every 6 weeks. This periodic cleaning will depend of course, on the conditions in which the projector is operating. Suitable instruments for performing this type of maintenance are a brush and a common vacuum cleaner or an air compressor. If necessary, clean the fans and air passages more frequently.

13- PERIODIC CONTROLS

<u>Lamp</u>

The lamp should be replaced if there is any visible damage or deformation due to heat. This will help to avoid the danger of the lamp exploding.

Mechanical parts

Periodically check all mechanical parts, gears, guides, belts, etc. for wear and tear, replacing them if necessary. Periodically check the lubrication of all components, particularly the parts subject to high temperatures. If necessary, lubricate with suitable lubricant, available from your D.T.S. distributor. Check the tension of the belts and adjust it if necessary.

Electrical components

Check all electrical components for correct earthing and proper connection of all connectors; refasten them if necessary.

Fuse replacement

Locate the fuse, which protects the lamp and electronics, in the base of the XR750. Using a multimeter, test the condition of the fuse, replacing it with one of equivalent type if necessary.

14- DMX PROTOCOL

16 CHANNEL MODE (16bit)

- 1 PAN msb (540°)
- 2 PAN lsb
- 3 TILT $msb(320^\circ)$
- 4 TILT lsb
- 5 MOVEMENT SPEED
- 6 DIMMER
- 7 SHUTTER
- 8 COLOUR
- 9 CYAN
- 10 MAGENTA
- 11 YELLOW
- 12 SPEED CMY / DIMMER
- 13 MACRO CMY / COLOUR
- 14 EFFECTS
- 15 ZOOM
- 16 RESET

DMX CHANNEL	1	Parameter: PAN msb 540°
DMX CHANNEL	2	Parameter: PAN lsb
DMX CHANNEL	3	Parameter: TILT msb 319°
DMX CHANNEL	4	Parameter: TILT lsb
DMX CHANNEL	5	Parameter: MOVEMENT SPEED

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-10					Standard
11-25					Fast movement
26-127					Vector mode from fast to slow
128-247					Variable time reaction to
					DMX signal (fast to slow)
248-255					Slow reaction time to DMX
					signal

DMX CHANNEL	6	Parameter: DIMMER

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-8					Black-out
9-255					Proportional dimmer

DMX CHANNEL 7 Parameter: SHUTTER

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-9					Black-out
10-23					Strobe random speed
24-37					Strobe speed 1 min.
38-51					Strobe speed 2
52-65					Strobe speed 3
66-79					Strobe speed 4
80-93					Strobe speed 5
94-107					Strobe speed 6 max.
108-121					Flash open speed 1 min.
122-135					Flash open speed 2
136-149					Flash open speed 3
150-163					Flash open speed 4 max.
164-177					Flash closed speed 1 min.
178-191					Flash closed speed 2
192-205					Flash closed speed 3
206-219					Flash closed speed 4 max.
220-227					Colours / Macros in black-out
228-233					Pan / Tilt in black-out
234-255					Open

DMX CHANNEL 8 Parameter: COLOUR

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-12					White
13-25					Colour 1 (3200° K)
26-38					Colour 2 (5600°K)
39-51					Colour 3
52-64					BiColour 3/4
65-77					Colour 4
78-90					BiColour 4/5
91-103					Colour 5
104-116					BiColour 5/6
117-129					Colour 6
130-142					BiColour 6/7
143-155					Colour 7
156-168					Bicolour 7/8
169-181					Colour 8
182-197					Bicolour 8/white
198-200					Right rotation speed 1 max.
201-203					Right rotation speed 2
204-206					Right rotation speed 3
207-209					Right rotation speed 4

210-212	Right rotation speed 5
213-215	Right rotation speed 6
216-218	Right rotation speed 7
219-221	Right rotation speed 8
222-224	Right rotation speed 9 min
225-228	Stop
229-231	Left rotation speed 1 min.
232-234	Left rotation speed 2
235-237	Left rotation speed 3
238-240	Left rotation speed 4
241-243	Left rotation speed 5
244-246	Left rotation speed 6
247-249	Left rotation speed 7
250-252	Left rotation speed 8
253-255	Left rotation speed 9 max.

DMX CHANNEL 9 Parameter: CYAN

Value 0-255	DMX value	range (degrees)	Mode	Option	Function Proportional colour
DMX range	Mid point	Move	Mada	Onting	E-maki an

DMX CHANNEL 10 Parameter: MAGENTA

	DMX range Value	Mid point DMX value	range (degrees)	Mode	Option	Function Proportional colour
Ī	51.00		Move			

DMX CHANNEL 11 Parameter: YELLOW

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL 12 Parameter: SPEED CMY / DIMMER

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-7					No Function
8-255					Variable speed from max to min

DMX CHANNEL 13 Parameter: MACRO CMY / COLOUR

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-9		(2)			No Function
10-14					Macro 1
15-19					Macro 2
20-24					Macro 3
25-29					Macro 4
30-34					Macro 5
35-39					Macro 6
40-44					Macro 7
45-49					Macro 8
50-54					Macro 9
55-59					Macro 10
60-64					Macro 11
65-69					Macro 12
70-74					Macro 13
75-79					Macro 14
80-84					Macro 15
85-89					Macro 16
90-94					Macro 17
95-99					Macro 18
100-104					Macro 19
105-109					Macro 20
110-114					Macro 21
115-121					Macros rainbow wait = 0
122-128					Macros rainbow wait = 2
129-135					Macros rainbow wait = 3
136-142					Macros rainbow wait = 4
143-149					Macros rainbow wait = 5
150-156					Macros rainbow wait = 6
157-163					Macros rainbow wait = 7
164-170					Macros rainbow wait = 8
171-177					Macros rainbow wait = 9
178-184					Macros rainbow wait = 10
185-191					Full colours rainbow wait = 0
192-198					Full colours rainbow wait = 2
199-205					Full colours rainbow wait = 3
206-212					Full colours rainbow wait = 4
213-219					Full colours rainbow wait = 5
220-226					Full colours rainbow wait = 6
227-233					Full colours rainbow wait = 7
234-240					Full colours rainbow wait = 8
241-247					Full colours rainbow wait = 9
247-255					Full colours rainbow wait = 10

DMX CHANNEL	14	Parameter: EFFECTS	
DMX CHANNEL	14	Parameter: EFFECTS	

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-19					No effect
20-39					Frost
40-255					Beam Shape

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-225					Proportional

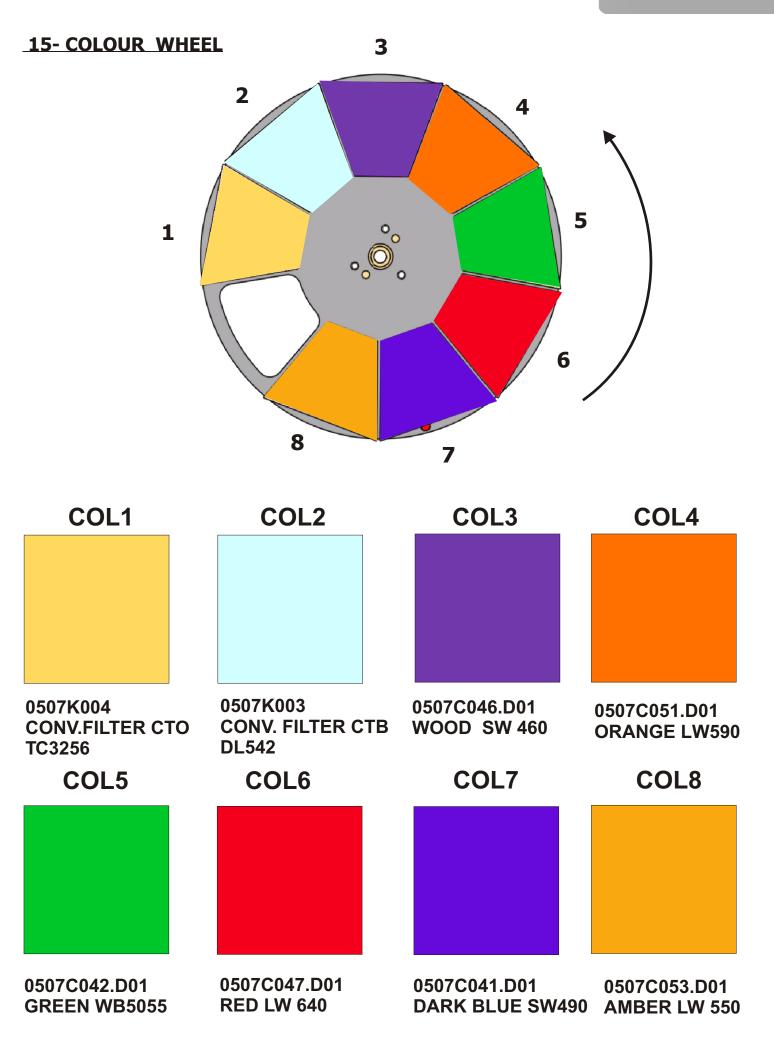
DMX CHANNEL 16 Parameter: LAMP / RESET

MODE 1 (DEFAULT)

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-9	5				No Effect
10-60	30			Lamp OFF (Active after 3 seconds)	
61-129	95				No Effect
130-179	154			Lan	np ON (Active after 3 seconds)
180-200	190				No Effect
201-239	220			Internal Motors Reset	
240-255	247				Total Reset

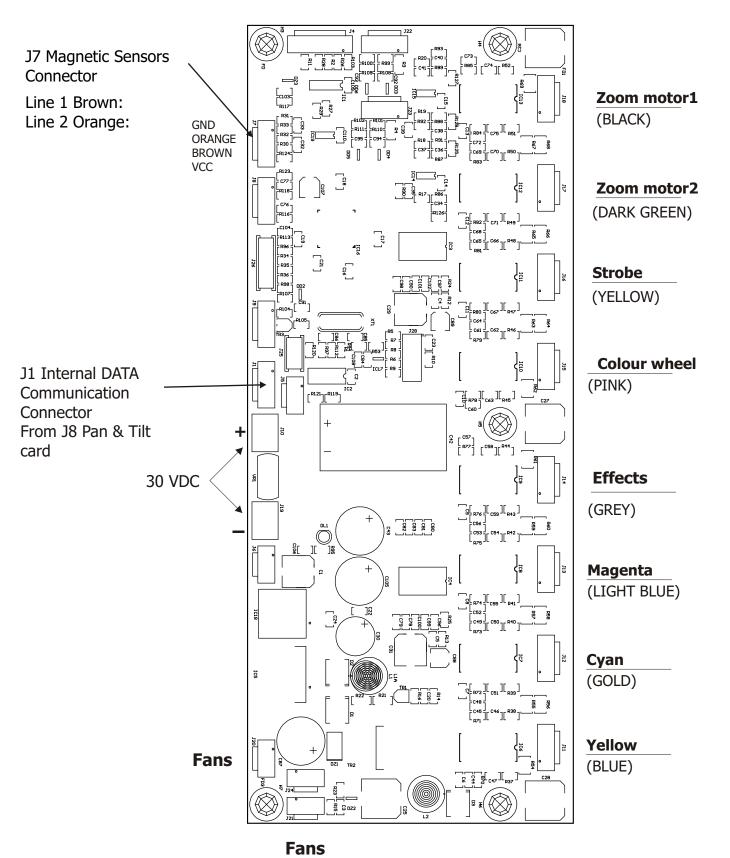
MODE 2 (SAME AS XR 7 WASH)

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-29					No effect
30-85					Lamp OFF (active after 3
30-85					seconds)
86 - 170					Internal motor Reset
171-235					Total Reset
236-255					Lamp ON (active after 3
					seconds)



16-8 MOTORS CONTROL CARD

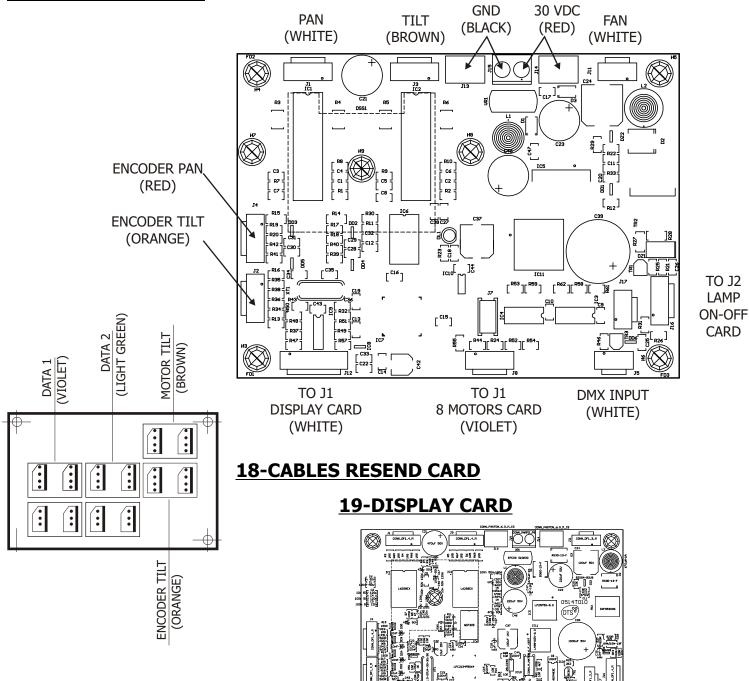
8 MOTORS CONTROL CARD



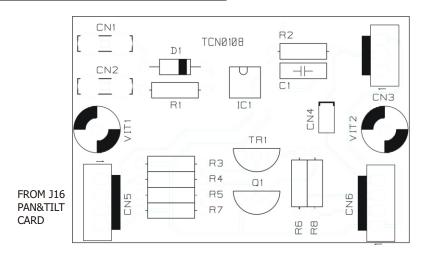
TO J2 **LAMP**

CARD

17-PAN & TILT CARD



20-LAMP ON-OFF CONTROL CARD



)]9 **ECTRONIC** LLAST

NOTES

NOTES

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The Lighting Company

ISO 9001:2000

D.T.S. quality system is certified to the ISO 9001:2000 standard



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